

# SSN COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)



India Rankings 2020 by NIRF, MHRD  
44th Rank in Engineering Category  
83rd Rank (Overall) among all Educational Institutions in India



## M.E. Computer Science & Engineering



The Master of Engineering program in Computer Science & Engineering was started in the academic year 2003-2004. The program has been accredited by NBA in 2016 for five years for the well-designed teaching-learning process, experienced and committed faculty, excellent infrastructure, and the success of the graduates.

- ❖ The program richly integrates practicals with the foundational courses inculcating in students confidence and skill in programming.
- ❖ The program is supported by two dedicated labs for curriculum-oriented courses, and two research labs with cutting-edge hardware for Machine Learning and Distributed Systems.
- ❖ The Department has a thriving Machine Learning Research Group, giving exciting opportunities to students for training, research and project work in Data Science.
- ❖ Industry-relevant project work or internship in the industry in the last two semesters enables students for a smooth transition into recruitment by prestigious companies.
- ❖ A holistic development is facilitated by activities of student chapters and conducting of hackathons, workshops, conferences, entrepreneurial events, and cultural events.
- ❖ Active Student Chapters – ACE, ACM & ACM-Women, CSI, IEEE, Code Chef Campus Chapter and Google Developer Group.
- ❖ The Department is a recognized Research Centre by Anna University to pursue Ph.D
- ❖ **Attractive Scholarships are available to meritorious students.**  
(<https://www.ssn.edu.in/college-of-engineering/m-e-m-tech-admissions/>)
- ❖ LMS driven teaching learning process.
- ❖ And, a Wi-Fi enabled beautiful campus with vibrant community life.

State-of-the-art research where students can co-work with the faculty

❖ **Data Science**

- Machine Learning
  - Image/Video Analytics
  - Text Analytics
  - Speech Analytics
  - Deep Learning
- Distributed Data Analytics
  - Streaming Data Analytics
  - Cloud Computing
  - Service Oriented Architecture
  - Sensor Data Analytics
  - Architecting Data Pipelines

❖ **Modern Networks**

- Internet of Things
- Software Defined Networks
- Green Computing

❖ **Software Engineering**

❖ **Cyber Security**

- Blockchain Technology



Blend of foundational courses and industry-relevant electives to fit the students for research, entrepreneurship, and industry

❖ **Core Courses**

- Applied Probability and Statistics
- Advanced Data Structures and Algorithms
- Multicore Architecture and GPU Computing
- Advanced Software Engineering
- Machine Learning
- Network Design and Technologies
- Modern Operating Systems
- Internet of Things
- Web Application Development
- Data Analytics

❖ **Professional Electives**

- Data Science
  - Natural Language Processing
  - Image Processing and Analysis
  - Speech Processing and Synthesis
  - Bio Informatics
  - Computer Vision
  - Information Retrieval Techniques
  - Data Visualization Techniques
  - Social Network Analysis
  - Deep Learning
- Software Engineering
  - Web Engineering
  - Software Architecture and Design
  - Software Project Management
  - Agile Software Engineering
- Distributed Computing
  - Cloud Computing
  - Parallel Programming
  - Real Time Systems
  - Mobile and Pervasive Computing
- Computer Networks
  - Wireless Networks
  - Software Defined Networks
  - Network Security
- Security
  - Introduction to Cryptography
  - Storage and Server Security



#### Top companies where our students are placed through campus recruitment

- Amazon
- DELL
- Goldman Sachs
- SAP Labs
- Microsoft
- Google India
- Northern Arc Capital
- Caterpillar
- Citi Bank
- Bosch
- Coda Global
- HCL Technologies
- TCS
- ZOHO
- Wipro
- Infosys
- Ganit Inc
- Photon
- Alcatel Lucent
- NPCI
- Digient Technologies

#### Eminent institutions where our students have gone on to pursue higher studies

- City University of New York, USA
- The University of Auckland, New Zealand
- IIT Madras
- IIT Kharagpur
- IIT Dharwad
- IIITDM, Kancheepuram

#### Pre-placement offers / Internships

- Phillips
- DRDO-CAIR, Bangalore
- SAP Labs
- Gyan Data Pvt. Ltd
- Zoho Corp
- Alcatel Lucent Enterprise India
- Maples Imaging Solutions
- Ganit Inc
- Caterpillar India Pvt Ltd
- Polaris



## PROMINENT ALUMNI (INDICATIVE)



**V. Sasikumar**  
Senior Software Engineer,  
Walmart Labs, Bangaluru



**B. Geetha Manjusha**  
Data Science Manager, PayPal



**Dr. Latha Karthigaa Ph.D.**  
(Univ. of Auckland, New Zealand)  
Founder & CEO,  
Brandupwise Limited, New Zealand



**Dr. A. Arun Ph.D.**  
(City University, New York)  
Researcher at General Motors R&D,  
Warren, Michigan, USA.



**R. Kavi Bharathi**  
Senior Software Engineer,  
SAP Labs India



**B. Bapusiri**  
Senior Software Engineer,  
HCL Technologies



**R. Kishore Kumar**  
Research Scholar, IIT Kharagpur



**R. Pradeep**  
Research Scholar, IIT Kharagpur



**Tephilla Prince**  
Research Scholar, IIT Dharwad

### Contact Us

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